Recycling and recovery UK

Cowen Road Household Waste Reception and Recycling Centre (HWRC)

1.2 Operations and Emissions Management Plan

September 2025

DOCUMENT DETAILS

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October 2023	Version 1.0	Review and update to new format.
December 2024	Version 2.0	Updated following Environment Agency comments in CAR form 67618/0527067 issued 20/11/2024. Paragraphs 4.2.5 and 4.2.6 updated. Reference to Vision app for recording of daily checks added.
September 2025	Version 3.0	Updated for permit variation application.

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APPENDICES

1 INTRODUCTION

1.1 Operational Hours

1.1.1 The operational hours of the site are detailed within the Planning Permission and all specified waste management activities will be undertaken within the hours specified including restrictions on hours for loading/unloading and movement of wastes.

1.1.2 The site is operational on bank holidays excluding Christmas Day.

1.2 Permitted Activities

1.2.1 Gateshead Council ("the Council") holds an Environmental Permit (permit) with the reference ERP/XP3093NK for Cowen Road Waste Reception & Recycling Centre (known as Cowen Road HWRC, "the Site") . SUEZ operates the Household Waste Recycling Centre (HWRC) on behalf of the Council . Gateshead Council also utilises the bays in their adjacent depot, for the storage and transfer of highways waste, that are within the HWRC permit boundary.

1.2.2 The waste types permitted to be accepted at the site are detailed in Appendix A as listed in the site's environmental permit with additional codes for waste currently accepted under waste exemption. Once the permit is varied, the exemption with be de-registered.

1.2.3 The site mainly operates as a HWRC accepting, storing and transferring household wastes, received directly from members of the public. This includes:

- mixed municipal waste
- hard plastic
- cardboard
- green waste
- wood
- soil
- gypsum
- scrap metal
- inert construction waste
- textiles
- gas cylinders
- lead acid batteries
- household batteries
- fluorescent tubes
- co-mingled material
- paper
- cooking oil
- engine oil
- tyres
- fridges and freezers

- WEEE
- hazardous and non-hazardous chemicals

1.2.4 Additionally, highways waste is accepted, stored and transported by the Council at the adjacent depot, including hardcore, asphalt and street sweepings. These materials have been generated by the Council in the process of highways maintenance activities.

1.2.5 The maximum permitted annual tonnage of waste accepted at the site shall not exceed 71,350 tonnes.

1.2.6 The D and R activity codes that will be carried out on site are detailed below.

Table 1: D&R codes

D9	Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12
D14	Repackaging prior to submission to any of the operations numbered D1 to 13
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)
R3	Recycling/reclamation of organic substances which are not used as solvents
R4	Recycling/reclamation of metals and metal compounds
R5	Recycling/reclamation of other inorganic materials
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)

2 OPERATIONS

2.1 Activities & Processes

2.1.1 The following activities and processes are carried out at the facility:

- Unloading waste
- Manual sorting and separation of waste
- Light compaction of waste
- Storing waste
- Loading and unloading waste containers
- Roll-on/roll-off (RORO) container exchange

2.2 Waste Acceptance

2.2.1 Waste acceptance, rejection and dispatch procedures are detailed in IMS – Duty of Care. Procedures associated with hazardous waste are detailed in IMS – Hazardous Waste.

2.2.2 In addition to the waste acceptance procedures, an evaluation of the incoming waste is undertaken on site, by site operatives, to ensure effective waste handling and storage management to prevent any potential amenity effects.

2.2.3 Any non-conforming waste will either be rejected from the site and redirected to an appropriate permitted facility or placed in quarantine prior to removal from site.

2.3 Unloading Waste

2.3.1 Wastes deposited at the HWRC are primarily deposited by the members of the public delivering the waste, with assistance provided by site staff when necessary.

2.3.2 Visiting traffic to the HWRC is directed (via signage) around the site and kept separate from site traffic. Traffic flows in a one-way system around the site.

2.3.3 Access/egress to the site used by visiting traffic is constructed from tarmac, waste storage areas are constructed from impermeable concrete surface so generation of mud on external highways and roads from activities on site is considered to be low risk.

2.3.4 Vehicles are directed to the appropriate skip or container by a site operative.

2.3.5 Access to the skips and containers will be suspended when all parking bays are in use.

2.3.6 Parking bays and disposal areas are regularly inspected to ensure any debris or spillages are cleaned when possible.

2.3.7 Highways waste is deposited by the Council in the designated bays via a separate entrance to the adjacent Council Highways Depot.

2.3.8 Daily inspections of the recycling centre and operational areas are undertaken to check for leaks & spillages to ensure that all litter and dust/particulate matter generated from activities are contained within the site.

2.4 Waste Treatment

2.4.1 The treatment undertaken at the HWRC is manual sorting and separation of waste into different components for disposal or recovery and may also include some light compaction of certain waste streams within containers.

2.4.2 Treatment processes are manual and are constantly monitored by site operatives.

2.5 Waste Storage

2.5.1 The site infrastructure plan (document reference 1.1) details the location of the waste storage skips, containers, bays and areas on site.

2.5.2 Wastes are stored with the aim of ensuring that different types of waste accepted are stored separately, where possible, to ensure they do not contaminate each other, they can be recovered more easily, and transfer notes can be completed correctly. All wastes delivered and accepted to the site are directed to specific areas for storage.

2.5.3 All wastes on site are stored safely and securely using suitable roll-on/roll-off (RORO) containers, ISO containers and dedicated storage bins/containers to ensure waste will not escape. Where wastes are stored in containers they are labelled correctly, and covers are utilised where deemed necessary, to prevent litter, rainfall infiltration and the potential for contaminated surface water run-off.

2.5.4 The storage method, maximum storage time and maximum volume is detailed in Appendix B.

2.5.5 No waste types are stored on site for longer than 3 months.

2.5.6 There is no storage of waste in bales at site.

2.5.7 The key control at site to ensure wastes are stored for the minimum timescales is the use of the principle of “first in, first out”. Materials are handled and removed from site in order of receipt therefore ensuring a frequent turnover of materials.

2.5.8 Daily inspections are undertaken at the waste storage areas as set out in Section 3.1. Inspections will include checks for any leaks and spillages and an assessment of pests, odour, dust, litter and noise.

2.6 Waste Loading

2.6.1 All wastes stored on site are dispatched by road to a suitably permitted facility.

2.6.2 Wastes stored at the HWRC are primarily stored within RORO containers. Empty containers are exchanged with full containers, the latter are lifted onto vehicles and dispatched from site.

2.6.3 Other wastes stored on the HWRC in dedicated containers (e.g. battery boxes) are lifted into collection vehicles and dispatched from site.

2.6.4 Waste stored in bays at the Highways Depot bays are dispatched from site after being loaded into containers (or other large haulage vehicles) using the a loading shovel.

2.7 Materials Stored in Stockpiles

2.7.1 Stockpile sizes in the highways depot bays are managed via inventory control. Stock rotation is carried out on site, with the oldest wastes processed and dispatched as a priority.

2.7.2 Daily visual monitoring is used to ensure wastes stored in bays do not exceed the bay footprint and maximum height (see Appendix B) at the end of the working day.

2.7.3 If an elevated volume is identified on site during the day, then additional dispatch vehicles can be arranged to ensure volumes are reduced by the end of the day.

2.7.4 Wastes may also be loaded into ROROs and transported to the HWRC service yard, pending removal to an appropriately permitted facility.

2.8 Quarantine

2.8.1 Staff will carry out ongoing visual inspection of the wastes on deposit at the HWRC. Highways waste will be inspected at the source and also during unloading into the bays.

2.8.2 If non permitted waste is identified during deposit at the HWRC, the waste holder will be informed and asked to remove the waste from site. Non permitted waste identified at the HWRC after it has been deposited will be quarantined and removed from site as soon as possible.

2.8.3 If non permitted waste is identified during deposit at the Highways Depot, it will be quarantined and removed from site as soon as possible.

2.8.4 If a small amount of non-permitted waste is identified for quarantine, it will be placed within the lockable container that will be removed from site as soon as possible.

2.8.5 The site does not benefit from a permanent dedicated quarantine area as space is limited on site. A temporary quarantine area can be provided on the service yard to quarantine any loads or items of non-conforming waste. This area will not be accessible to the public and exact location will depend upon current waste storage availability. The quarantined waste will be kept segregated from all other waste and will be inaccessible to the public. The quarantine area will be on impermeable surfacing.

2.8.6 If significant volumes of waste need to be quarantined, then the quarantine procedure and areas as listed in the Fire Prevention Plan (FPP) and shown on the Emergency Access Route drawing will be followed.

2.8.7 Records will be kept of any rejected or quarantined waste.

3 INSPECTION, EMERGENCY PREPAREDNESS & MANAGING NON-CONFORMANCE

3.1 Site Inspections

3.1.1 Daily inspections of the site infrastructure are undertaken in line with SUEZ IMS Procedure - Site Inspection, Audit & Reporting.

3.1.2 Site inspections are recorded on the Vision App.

3.1.3 The daily inspections will include checks for the below key risks:

- Leaks and spillages
- Litter
- Dust/particulate matter
- Odour
- Noise
- Pests
- Fire

3.2 Emergency Preparedness

3.2.1 Emergency preparedness and response measures are set out within SUEZ IMS Procedure - Emergency Preparedness & Response including:

- Spillages
- Fire

3.2.2 Detailed procedures for the prevention of fire and emergency measures to be taken in the event of a fire are described fully within the separate site-specific Fire Prevention Plan (document reference 1.7).

3.2.3 General accident management measures are listed in the Accident Prevention and Management Plan (document reference 1.4) and business continuity measures are listed in the Business Continuity and Contingency Plan (document reference 1.5).

3.3 Managing Non-Conformance

3.3.1 Procedures for identifying, reporting, investigation and remediation of non-conformances are set out in SUEZ IMS Procedure - Managing Non-Conformance, Corrective and Preventative Action.

3.4 Complaints

3.4.1 All complaints are managed in line with SUEZ IMS Procedures Complaints, Managing Non-Conformance, Corrective and Preventative Action, Amenity Control and Monitoring and Amenity Complaints.

3.5 Leaks & Spillages

3.5.1 Any spillages or leaks will be dealt with promptly according to the emergency procedures detailed within IMS Section - Emergency Preparedness and Response.

3.6 Site & Equipment Maintenance

3.6.1 The selection process of plant and equipment used on site will ensure that it is fit and suitable for the relevant work activity, can be maintained safely, is CE/UKCA marked and provided with test certificates where necessary.

3.6.2 All equipment will be inspected, maintained and serviced in accordance with the manufacturer's/ supplier's instructions and any relevant statutory requirements. Maintenance of plant, equipment and infrastructure will be scheduled as necessary, and implemented and recorded on the site-specific Maintenance Planner.

3.6.3 The maintenance schedule will include all items which are critical to environment and industrial risk.

4 EMISSIONS MANAGEMENT AND MONITORING

4.1 Summary

4.1.1 The channelled emissions from site are contaminated runoff to the foul drainage system and the clean surface water to the surface water drainage system.

4.2 Surface and Foul Water Management and Monitoring

4.2.1 The waste storage areas are constructed with reinforced concrete of a sufficiently durable construction to withstand the weight of the waste and containers stored at the facility, and the operational vehicles using the facility.

4.2.2 The concrete surface provides an impermeable barrier to protect the underlying ground/groundwater from the transmission of potential contamination by the site activities.

4.2.3 In addition, a sealed drainage system is present to ensure that no liquid will run off the surface other than via the system; except where those discharges may otherwise be permitted.

4.2.4 There are two drainage systems for the site as described below.

- The foul drainage discharges to combined sewer.
- The surface water system serves all site roadways and run off from building roofs. The surface water system comprises a number of gullies which lead to the combined sewer.

4.2.5 All waste on the HWRC with the potential to cause contaminated surface water run-off are stored in skips and containers to prevent rainfall infiltration.

4.2.6 Bays in the highways depot are linked to the depot's separate drainage system, passing through an interceptor before discharging to combined sewer. The Council depot has a trade effluent consent for the vehicle wash bay on that site. In February 2025 Northumbrian Water confirmed to Gateshead

Council that any water leaving the bays is not classed as trade effluent, therefore the site does not require a trade effluent consent.

4.2.7 The integrity of the impermeable surface and drainage system will be inspected by site staff on at least a weekly basis, as required by SUEZ's ISO 14001 certified Integrated Management System (IMS), and any structural deficiencies will be reported immediately to the Site Manager. Repairs will be initiated as soon as practicable.

4.2.8 Solid matter accumulating in the interceptors and gullies will be removed as and when required by a suitably experienced and registered waste disposal contractor. As a minimum, the site interceptors will be cleaned every 6 months.

4.3 Litter

4.3.1 Any escaping material adhering to perimeter fencing will be swept/picked up on an on-going basis. Particular emphasis will be placed on ensuring that material is not allowed to escape on to local highways or the adjacent railway line.

4.3.2 A final inspection around the site at the end of the working day by Site Management shall ensure that the site is free of all litter by the end of each business day.

4.3.3 In the event there is an escape of litter from the confines of the site and into the local environment, it will be the responsibility of the site staff to arrange for litter picking of the affected areas by the end of the working day. The operation or delivery generating the escape of litter will be stopped and any container releasing fugitive material will be covered or removed from site immediately.

4.3.4 Any excessive spillage of materials anywhere within the site or on the adjacent highway will be dealt with immediately by sweeping of the surface and litter picking if required. Such a spillage and the action taken will be recorded in the site diary.

4.4 Mud and Debris

4.4.1 General site operations are unlikely to lead to mud and debris emissions due to the site surfacing. All wastes likely to produce mud or debris are stored within maintained containers and regular sweeping/cleaning takes place to ensure that all mud is retained on site.

4.4.2 Regular sweeping of external yard areas takes place to ensure mud is not tracked off site.

4.4.3 Should site be notified of any mud or debris being tracked onto the access roads or highway, then immediate arrangements shall be made for removal and clean-up of that material.

4.5 Dust and Fibres

4.5.1 There is the low potential for dust to be produced during tipping of some waste (primarily hardcore and gypsum). This waste is contained to reduce the likelihood of dust emissions from site.

4.5.2 Regular sweeping of internal and external areas is carried out to prevent build-up of dust on site surfaces.

4.6 Odour

4.6.1 Full details of odour management measures are provided in Document Reference 2.1 Odour Management Plan.

4.6.2 Any putrescible wastes accepted onto site will be stored for the minimum possible length of time.

4.6.3 Waste that is found to be excessively malodorous will be segregated and arrangements will be made to immediately remove it from site, a note will be made in the site diary if this occurs.

4.7 Noise and Vibration

4.7.1 Site operations are not expected to generate excessive noise. The site staff will ensure that both the discharge of wastes into containers and the delivery and removal of containers from the household waste site will take place in a controlled manner so that noise generation is kept to a minimum.

4.7.2 Increases in plant noise are often indicative of future mechanical failure, as such all relevant plant will be regularly and effectively maintained as set out in the Site and Equipment Maintenance Plan.

4.8 Pests

4.8.1 The risk of pest infestation will be controlled by:

- All waste accepted at the site being contained.
- Rapid turnaround of biodegradable wastes.
- Minimisation of storage times for materials likely to attract vermin and pests.

4.8.2 In addition to continuous monitoring by site staff, a specialist contractor may attend to any specific incidence of pests on request to ensure eradication.

4.8.3 Regular pest control visits are carried out to monitor pest levels and to ensure that activity does not cause issues.

5 STAFF COMPETENCY & TRAINING

5.1 Summary

5.1.1 All sites operating under an environmental permit are required to ensure sufficient staff and resources are available to operate the site effectively and in compliance with the Permit/Integrated Management System.

5.1.2 All sites are required to ensure:

- all relevant tasks are undertaken by competent personnel.
- appropriate records of education, training, skills and experience are held.
- all personnel performing work on behalf of SUEZ are aware of the SUEZ Integrated Management System (IMS) policies and procedures.

5.2 Staff Competence & Training

5.2.1 All new and existing personnel are adequately trained to perform the tasks assigned to them, preventing potential environmental or personal harm.

5.2.2 The following table details the roles undertaken on site, with primary and secondary responsibilities listed.

Table 2: Site Roles

Tasks	Primary Responsibility – Role	Secondary Responsibility - Role
Waste Acceptance		
Site waste acceptance checks	Site Operatives	Team Leader
Waste Storage		
Daily plant checks and cleaning	Site Operatives	Team Leader
Cleaning of recycling centre	Site Operatives	Team Leader
QEMS checks	Team Leader	Site Supervisor
Supervisor checks	Site Supervisor	Site Manager
Managers monthly checks	Site Manager	Regional Manager
Waste Processing		
Arrange haulage for waste to be removed from site	Site Supervisor	Site Manager
Operating site vehicles to move & load waste materials	Site Operatives	N/A
Maintenance		
Infrastructure	Site Supervisor	Site Manager
Site vehicles	Site Supervisor	Site Manager

Tasks	Primary Responsibility – Role	Secondary Responsibility - Role
Monitoring		
Managing surface water	Site Supervisor	Site Manager
Amenity Checks		
Amenity checks	Site Supervisor	Site Manager
Reporting		
Waste returns	Site Manager	Regional Manager
Reportable breaches	Site Manager	EIR Manager / Regional Manager
Procedure updates	Site Manager	Regional Manager

5.2.3 Records of the Technically Competent Manager (TCM) attendance for the site are located within the site diary.

5.2.4 The procedures used to ensure appropriate training (initial and refresher) and/or qualifications and associated records of training staff and contractors are detailed within the following sections of the IMS:

- Training, Awareness and Competence

6 RESIDUES MANAGEMENT

6.1 Summary

6.1.1 The residues management plan aims to:

- Minimise the generation of residues
- Optimises the reuse, regeneration, recycling, or energy recovery of residues, including packaging
- Ensures the proper disposal of residues where recovery is technically or economically impractical

6.1.2 All wastes generated by the site are managed in line with the waste hierarchy.

6.1.3 SUEZ look to move materials up the waste hierarchy wherever possible and have processes on site to facilitate this (waste sorting, other treatment etc).

6.1.4 SUEZ look to ensure that waste generated by ancillary activities (office etc) is reduced as much as possible. Where this is produced, it is managed in line with the waste hierarchy.

7 DECOMMISSIONING PLAN

7.1 Plant & Equipment Decommissioning

7.1.1 There are currently no identified long term non-productive or redundant items on site that require decommissioning or removal.

7.1.2 During the operational life of the facility, equipment may no longer be required or will reach the end of its useful life. Any such equipment will be deinstalled (as necessary) by suitably qualified personnel and disposed of appropriately. Where possible equipment will be repaired or reused.

7.2 Site Decommissioning

7.2.1 The actions detailed in Table 3 will be undertaken on cessation of waste processing activities prior to the surrender of the Environmental Permit:

Table 3: Actions to be taken to decommission the site

Item	Action
Waste materials	All waste materials will be removed from site. Any hazardous wastes (oils, batteries, WEEE etc.) will be suitably consigned.
Drains / Gullies	All drains will be checked to ensure that they are clear and free flowing. Any blockages will be removed.
Plant and Equipment	All waste processing related plant and equipment will be removed. Any items suitable for repair or reuse will be identified as part of this process. Electricity supplies will be made safe.
Mobile Plant	All operational vehicles will be removed from site.
Recycling centre / outside areas / perimeter fencing	Any wastes stored externally, as well as redundant equipment and storage containers will be removed from site. The impermeable surface will be swept with a mechanical sweeper and any debris along the site boundary cleared.

7.2.2 A site condition report will be updated to support any application to surrender the Environmental Permit. This will contain a written description of the activities that have been undertaken along with photographs to show that the actions detailed in Table 3 have been completed to the necessary standard.

APPENDICES

Appendix A – Permitted Waste Types

Cowen Road Household Waste Reception and Recycling Centre (HWRC)

Appendix A - Permitted Waste Types

WASTE CODE	DESCRIPTION
13	OIL WASTES AND WASTES OF LIQUID FUELS
13 02	Waste engine, gear and lubricating oils
13 02 04*	Mineral-based chlorinated engine, gear and lubricating oils
13 02 05*	Mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	Synthetic engine, gear and lubricating oils
13 02 07*	Readily biodegradable engine, gear and lubricating oils
13 02 08*	Other engine, gear and lubricating oils
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	Packaging (including separately collected municipal packaging waste)
15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging
15 01 03	Wooden packaging
15 01 04	Metallic packaging
15 01 05	Composite packaging
15 01 06	Mixed packaging
15 01 07	Glass packaging
15 01 09	Textile packaging
15 01 10*	Packaging containing residues of or contaminated by dangerous substances
15 01 11*	Metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers
15 02	Absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	End-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 03	End-of-life tyres
16 01 07*	Oil filters

WASTE CODE	DESCRIPTION
16 01 13*	Brake fluids
16 01 14*	Antifreeze fluids containing dangerous substances
16 01 15	Antifreeze fluids other than those mentioned in 16 01 14
16 02	Wastes from electrical and electronic equipment
16 02 11*	Discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 13*	Discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 15*	Hazardous components removed from discarded equipment
16 05	Gases in pressure containers and discarded chemicals
16 05 04*	Gases in pressure containers (including halons) containing dangerous substances
16 05 05	Gases in pressure containers other than those mentioned in 16 05 04
16 05 07*	Discarded inorganic chemicals consisting of or containing dangerous substances
16 05 08*	Discarded organic chemicals consisting of or containing dangerous substances
16 06	Batteries and accumulators
16 06 01*	Lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	Mercury-containing batteries
16 06 04	Alkaline batteries (except 16 06 03)
16 06 05	Other batteries and accumulators
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	Concrete, bricks, tiles and ceramics
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	Wood, glass and plastic
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
17 03	Bituminous mixtures, coal tar and tarred products
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01

WASTE CODE	DESCRIPTION
17 04	Metals (including their alloys)
17 04 01	Copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	Iron and steel
17 04 06	Tin
17 04 07	Mixed metals
17 04 11	Cables other than those mentioned in 17 04 10
17 05	Soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	Soil and stones other than those mentioned in 17 05 03
17 06	Insulation materials and asbestos-containing construction materials
17 06 04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	Gypsum-based construction material
17 08 02	Gypsum-based construction materials other than those mentioned in 17 08 01
17 09	Other construction and demolition wastes
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	Separately collected fractions (except 15 01)
20 01 01	Paper and cardboard
20 01 02	Glass
20 01 08	Biodegradable kitchen and canteen waste
20 01 10	Clothes
20 01 11	Textiles
20 01 13*	Solvents
20 01 14*	Acids
20 01 15*	Alkalines
20 01 17*	Photochemicals
20 01 19*	Pesticides
20 01 21*	Fluorescent tubes and other mercury containing waste

WASTE CODE	DESCRIPTION
20 01 23*	Discarded equipment containing chlorofluorocarbons
20 01 25	Edible oil and fat
20 01 26*	Oil and fat other than those mentioned in 20 01 25
20 01 27*	Paint, inks, adhesives and resins containing dangerous substances
20 01 28	Paint, ink, adhesives and resins other than those mentioned in 20 01 27
20 01 29*	Detergents containing dangerous substances
20 01 30	Detergents other than those mentioned in 20 01 29
20 01 33*	Batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 34	Batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	Discarded electrical equipment and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 37*	Wood containing dangerous substances
20 01 38	Wood other than that mentioned in 20 01 37
20 01 39	Plastics
20 01 40	Metals
20 01 41	Wastes from chimney sweeping
20 01 99	Waste coffee pods
20 02	Garden and park wastes (including cemetery waste)
20 02 01	Biodegradable waste
20 02 02	Soil and stones
20 02 03	Other non-biodegradable wastes
20 03	Other municipal wastes
20 03 01	Mixed municipal waste
20 03 03	Street-cleaning residues
20 03 07	Bulky waste

Appendix B – Waste Storage Details

Cowen Road Household Waste Reception and Recycling Centre (HWRC) – Waste Storage Plan

APPENDIX B – WASTE STORAGE DETAILS

Waste type	Form	Location within site	Storage detail	Bay or Container Dimensions	Volume of waste (m^3)	Maximum storage time on site
HWRC						
Hardcore & Rubble	Loose	Operational Yard - Skip Bay 1	20yd Ro-Ro Skip	2.4m (W) x 6.1m (L) x 1.2m (H)	$18m^3$	1 week
Plasterboard	Loose	Operational Yard - Skip Bay 2	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
Green Waste	Loose	Operational Yard - Skip Bay 3 & 12	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
Wood	Loose	Operational Yard - Skip Bay 4 & 11	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
Cardboard	Loose	Operational Yard - Skip Bay 5	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
General Waste	Loose	Operational Yard - Skip Bay 6 & 9	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
Mattresses	Loose	Operational Yard - Skip Bay 7	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
Hard Plastics	Loose	Operational Yard - Skip Bay 8	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
Scrap Metal	Loose	Operational Yard - Skip Bay 13	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
Soil	Loose	Operational Yard - Skip Bay 14	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 month
Street Scene General Waste	Loose	Operational Yard – Skip	20 yd Ro-Ro skip	2.44m (W) x 6.1m (L) x 1.22m (H)	$18m^3$	1 week
TVs/Monitors	Loose	HWRC yard (publicly accessible area in west part of site)	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
Fridges/Freezers	Loose	HWRC yard (publicly accessible area in west part of site)	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
WEEE (LDA)	Loose	HWRC yard (publicly accessible area in west part of site)	40yd Ro-Ro Skip	2.4m (W) x 6.2m (L) x 2.9m (H)	$30m^3$	1 week
Tyres	Loose	HWRC yard (publicly accessible area in west part of site)	20 yd Ro-Ro skip	2.44m (W) x 6.1m (L) x 1.22m (H)	$18m^3$	3 months
Fluorescent Tubes/ Bulbs	Loose	HWRC yard (publicly accessible area in west part of site)	Specialist Container	1.2m (W) x 2.5m (L) x 1.2m (H)	$3m^3$	3 months
WEEE (SDA)	Loose	HWRC yard (publicly accessible area in west part of site)	30yd Ro-Ro Skip	2.4m (W) x 6.10m (L) x 1.98m (H)	$30m^3$	1 week
Used Oil	Liquid	HWRC yard (publicly accessible area in west part of site)	Bunded Tank	1.32 (W) x 2.36 (L) x 1.41(H)	$4.3m^3$	1 month
Lead-acid Batteries	Loose	HWRC yard (publicly accessible area in west part of site)	Battery Box	1m (W) x 1m (L) x 2m (H)	$2m^3$	1.5 months
Household Batteries	Loose	HWRC yard (publicly accessible area in west part of site)	Battery Box	1m (W) x 1m (L) x 2m (H)	$2m^3$	1.5 months
Co-mingled mixed recycling bins	Loose	HWRC yard (publicly accessible area in west part of site)	Mixed recycling bin	1.4m (W) x 1.1 (L) x 1.3 (H)	1100 litres	2 weeks
Textiles	Loose	HWRC yard (publicly accessible area in west part of site)	Textiles Mini RoRo	2.2 (W) x 3.9(L) x 2.1(H)	$18m^3$	2 weeks
Chemicals (flammable/ corrosive)	Containerised	HWRC yard (publicly accessible area in west part of site)	Chemical Cabinet	1m (W) x 1m (L) x 2m H)	$2m^3$	1 month
Paper	Loose	HWRC yard (publicly accessible area in west part of site)	Paper Bank	1.4m (W) x 1.1 (L) x 1.3 (H)	1100 litres	2 weeks

Waste type	Form	Location within site	Storage detail	Bay or Container Dimensions	Volume of waste (m^3)	Maximum storage time on site
Reuse Container (not waste)	Containerised	HWRC yard (publicly accessible area in west part of site)	20ft Shipping Container	2.4 (W) x 6.0 (L) x 2.6 m (H)	$37m^3$	1 month
Highways Depot (Transfer Station)						
Tarmac/Asphalt	Loose	Highways Depot (Bay 1)	External Storage Bay	3.6m (W) x 3.3 (L) x 2.7 (H)	$24m^3$	1 week
Hardcore/ Rubble	Loose	Highways Depot (Bay 2)	External Storage Bay	3.6m (W) x 3.3 (L) x 2.7 (H)	$24m^3$	1 week
Hardcore/ Rubble	Loose	Highways Depot (Bay 3)	External Storage Bay	3.6m (W) x 3.3 (L) x 2.7 (H)	$24m^3$	1 week
Hardcore/ Rubble	Loose	Highways Depot (Bay 4)	External Storage Bay	3.6m (W) x 3.3 (L) x 2.7 (H)	$24m^3$	1 week
Street Sweepings	Loose	Highways Depot (Bay 5) *(Bay 4 may also be used depending on seasonal demand)*	External Storage Bay	3.6m (W) x 3.3 (L) x 2.7 (H)	$24m^3$	1 week
Street Sweepings	Loose	6 - Highways Depot Container (adjacent to Bay 5)	20 yd Ro-Ro skip	2.44m (W) x 6.1m (L) x 1.22m (H)	$18m^3$	1 week

Note: volume calculations for bays allow for material slump at the front of the storage area and so equate to 75% of the total cubic volume.